

CLAIMS

1. A vehicle comprising:

a vehicle body with an interior and an exterior having an opening with first and second ends;

a first movable door providing a barrier for a first portion of said opening;

5 a second movable door providing a barrier for a second portion of said opening, said second door having a latch connection with said vehicle body between said opening first and second ends, said second door having an outer and inner panel forming a spaced envelope there between with said inner and outer panels having an aligned window opening, said door having on an adjacent said first door a reinforcement panel juxtaposed
10 between said inner and outer panels, and said second door having a first section wherein said inner and reinforcement panels are closely laterally mated;

a brain plate connected to said inner panel on said first section;

a first lever for actuating a force transmission member to release said latch connection, said first lever being pivotally connected to said brain plate; and

15 a window regulator connected within said spaced envelope of said second door, said window regulator being laterally spaced with respect to said first section within said spaced envelope for transporting a window pane into and out of said aligned window opening.

2. A vehicle as described in claim 1, wherein said first door, when closed is latchably connected to said second door.

3. A vehicle as described in claim 1, wherein said first door is pivotally connected to said vehicle adjacent said opening first end and said second door is pivotally connected to said vehicle adjacent said opening second end.

4. A vehicle as described in claim 1, wherein said first and second doors are side doors of said vehicle and said vehicle has a pickup bed rearward of said second door.

5. A vehicle as described in claim 1, wherein said first door, when closed has a portion which overlaps said second door.

6. A vehicle as described in claim 1, wherein said second door has a latch connection with said vehicle body adjacent a top end of said second door and adjacent a bottom end of said second door.
7. A vehicle as described in claim 1, wherein said window regulator is powered.
8. A vehicle as described in claim 1, wherein said window regulator is connected with said inner panel.
9. A vehicle as described in claim 1, wherein said window regulator can totally remove said window pane out of said window opening.
10. A vehicle as described in claim 1, further including a release handle operatively associated with said lever, said release handle being accessible from an interior of said vehicle body when said first door is closed or opened, and said release handle being accessible from an exterior of said vehicle body when said first door is opened.
11. A vehicle as described in claim 10, wherein said handle extends past an extreme end of said second door.
12. A vehicle as described in claim 10, wherein said release handle can be pulled inward to release said second door.
13. A vehicle as described in claim 10, wherein said release handle can be pulled outward to release said second door.
14. A vehicle as described in claim 10, wherein said release handle can be pulled outward to release said second door.
15. A vehicle as described in claim 10, wherein said release handle is disabled when said first door is closed.
16. A vehicle as described in claim 1, having a window opening reinforcement panel joined to an exterior side of said inner panel.
17. A vehicle as described in claim 1, having a window opening reinforcement panel joined to an interior side of said outer panel.

18. A vehicle as described in claim 1, wherein said second door is an insert type of door.

19. A vehicle comprising:

a vehicle body with an interior and an exterior having a side opening with first and second ends;

5 a first door providing a barrier for a first portion of the opening pivotally attached to said first end of said opening;

a second door providing a barrier for a second portion of said opening, said second door having a latch connection with said vehicle body between said opening first and second ends, and said second door being pivotally connected to said vehicle body adjacent said opening second end, said second door extreme end opposite said pivotal connection with said
10 body being overlapped by said first door when said first door is closed, and said second door having an outer and inner panel forming a spaced envelope there between with aligned window openings, said door having a reinforcement panel juxtaposed between said inner and outer panels and said second door having adjacent said first door a first section wherein said inner and reinforcing panels are closely laterally mated;

15 a brain plate connected to said inner panel on said first section;

a first lever for activating a forced transmission member to release said latch connection, said first lever being pivotally connected to said brain plate;

a release handle operatively associated with said first lever and being pivotally connected to said door; and

20 a powered window regulator connected within said spaced enveloped of said second door for transporting a window pane into and out of aligned window openings of said second door.

20. A vehicle as described in claim 19 wherein said release handle is accessible from an interior of the body,

said release handle extending from said second door extreme end opposite said second door pivotal connection with said vehicle body,

5 said release handle being accessible from an exterior of said vehicle body when said first door is open and said release handle unlatches said second door latch connection when pulled outward or inward; and

wherein said release handle is deactivated when said first door is closed.

21. A vehicle as described in claim 20, wherein said first lever is pivotally connected to said brain plate along a first axis, said first lever having a pin slot and wherein a pin is captured within said pin slot, and

5 wherein there is a second lever pivotally connected to said brain plate along said first axis and spring biased against a stop, said second lever having first and second contact surfaces and said second lever having a pin slot capturing said pin, and

10 wherein said release handle is pivotally connected with said second door along a second axis having first and second fingers to contact with said first and second contact surfaces wherein pivotal movement of said release handle in a first pivotal direction causes said first finger to contact said second lever first contact surface to pivot said second lever in a first pivotal direction and,

wherein pivotal movement of said release handle in a second pivotal direction causes said release handle second finger to contact said second lever second contact surface to pivot said second lever in said first pivotal direction; and

15 wherein there is a lock out lever pivotally connected to said brain plate along a third pivotal axis having a pin slot capturing said pin wherein in a first position said lock out lever positions said pin so that pivotal movement of said second lever is transferred to said first lever and wherein said lock out lever in a second position positions said pin wherein pivotal movement of said second lever is not transferred to said first lever.